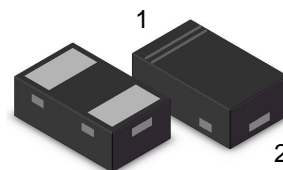


## Schottky Barrier Diodes

### FEATURES

- S- Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC-Q101 Qualified and PPAP Capable.
- We declare that the material of product compliance with RoHS requirements.



### DEVICE MARKING AND ORDERING INFORMATION

Device	Marking	Shipping
MSK4010D	KX	10000/Tape&Reel



### MAXIMUM RATINGS(Ta = 25°C)

SOD-882

Parameter	Symbol	Limits	Unit
Reverse Voltage	VR	40	V
Forward Current	IF	1	A
Peak forward surge current (8.3ms)	IFSM	3	A

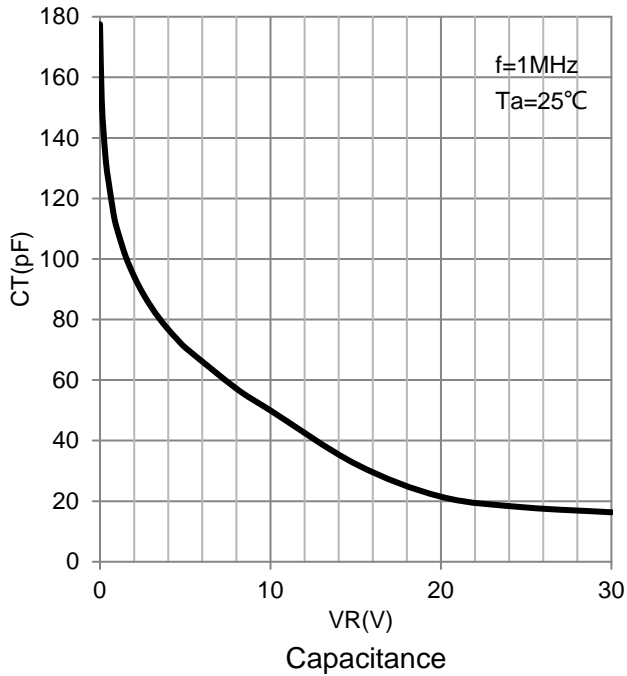
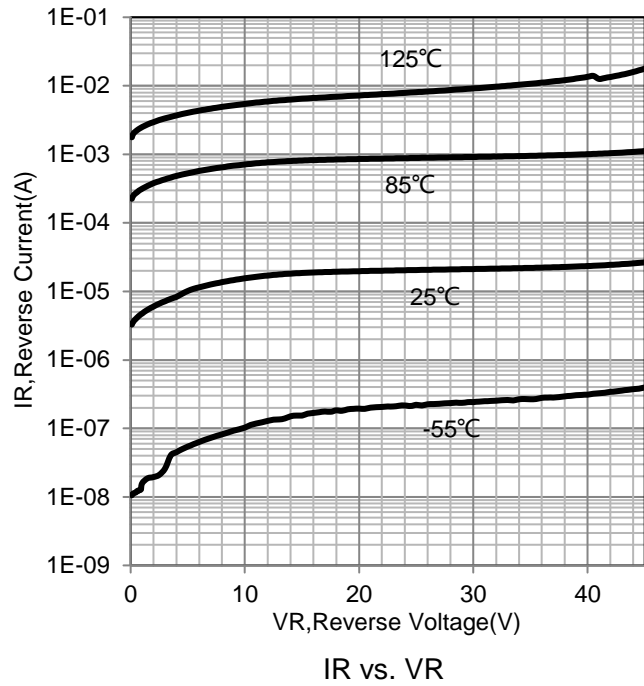
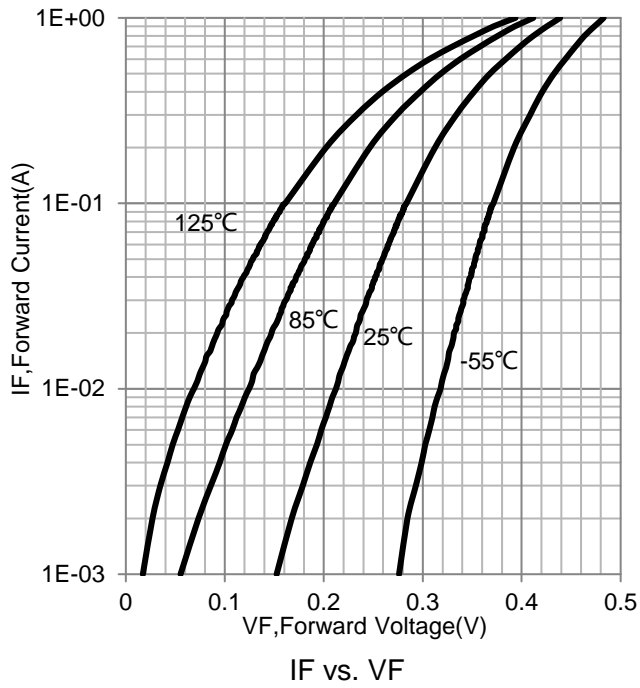
### THERMAL CHARACTERISTICS

Parameter	Symbol	Limits	Unit
Total Device Dissipation, FR-5 Board (Note 1) @ TA = 25°C Derate above 25°C	PD	250 4	mW mW/°C
Thermal Resistance, Junction-to-Ambient	RθJA	400	°C/W
Junction Temperature	TJ	125	°C
Storage temperature	Tstg	-55~+150	°C

1.FR-4 Minimum Pad.

### ELECTRICAL CHARACTERISTICS (Ta= 25 °C)

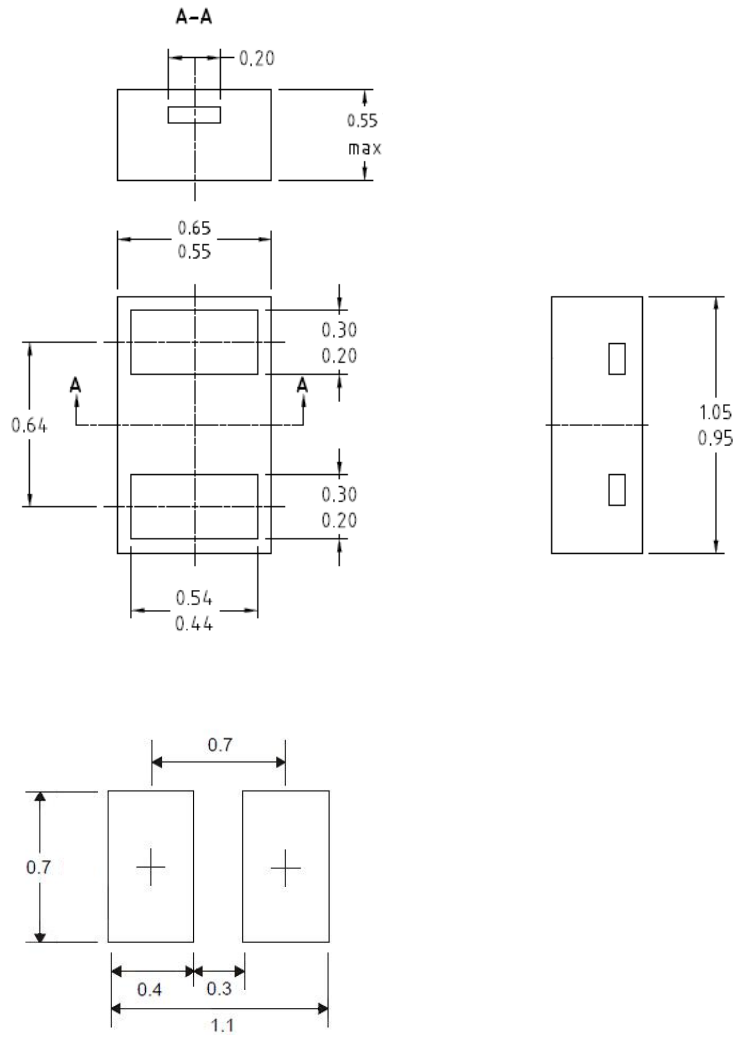
Characteristic	Symbol	Min.	Typ.	Max.	Unit
Reverse Breakdown Voltage (IR = 100μA)	VBR	40	-	-	V
Reverse Voltage Leakage Current (VR = 10V) (VR = 40V)	IR	- -	- -	30 100	μA
Forward Voltage (IF = 100mA) (IF = 500mA) (IF = 700mA) (IF = 1A)	VF	- - - -	- - - -	0.39 0.5 0.53 0.58	V



PACKAGE DIMENSIONS

SOD-882

DIMENSION OUTLINE Unit:mm



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[NRVBAF360T3G](#) [NSR05F40QNXT5G](#) [NTE555](#) [JANS1N6640](#) [SS3003CH-TL-E](#) [GA01SHT18](#) [CRS10I30A\(TE85L,QM](#) [MBRA140TRPBF](#)  
[MBRB30H30CT-1G](#) [BAT 15-04R E6152](#) [JANTX1N5712-1](#) [DMJ3940-000](#) [SB007-03C-TB-E](#) [NRVBB20100CTT4G](#) [NRVBM120LT1G](#)  
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